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**II. A Catalogue of the Eclipses of Jupiter's Satellites, for the Year 1736. computed to the Meridian of the Royal Observatory at Greenwich, by James Hodgson, F.R. S. Master of the Royal Mathematical School in Christ's Hospital, London.**

*ECLIPSES of the first Satellite of JUPITER.*

D. H. M. S.	D. H. M. S.	M. H. D. S.
JANUARY.	15 21 35 22	20 12 45 54
Immersion.	17 16 4 12	22 7 14 54
	19 10 33 3	24 1 43 56
	21 5 1 56	25 20 12 53
	22 23 30 50	27 14 41 50
Jupiter and the Sun in Conjunction.	24 17 59 46*	29 9 10 50
	26 12 28 44	31 3 39 45
	28 6 57 41	
27 10 20 4		APRIL.
29 4 48 33	MARCH.	Immersion.
30 23 17 3	Immersion.	1 22 8 41
		3 16 37 36
FEBRUARY.	1 1 26 40	5 11 6 30*
Immersion.	2 19 55 40	7 5 35 22
	4 14 24 39	9 0 4 14
1 17 45 38	6 8 53 40	10 18 33 01
3 12 14 15	8 3 22 42	12 13 1 53
5 6 42 51	9 21 51 43	14 7 30 39
7 1 11 32	11 16 20 44*	16 1 59 24
8 19 40 14	13 10 49 49	17 20 28 7
10 14 8 58	15 5 18 51	19 14 56 47*
12 8 37 44	16 23 47 52	21 9 25 26
14 3 6 30	18 18 16 52	

## ECLIPSES of the first Satellite of JUPITER.

D. H. M. S.	D. H. M. S.	D. H. M. S.
23 3 54 4	4 15 13 50*	22 9 59 25*
24 22 22 41	6 9 41 59	24 4 28 14
26 16 51 16	8 4 10 5	
28 11 19 48	9 22 38 13	Emerfions.
30 5 48 21	11 17 06 22	
	13 11 34 30*	24 6 45 13
MAY.	15 6 2 39	26 1 14 4
Immerfions.	17 0 30 50	27 19 42 56
2 0 16 50	18 18 59 0	29 14 11 48*
3 18 45 20	20 13 27 11*	31 8 40 45*
5 13 13 45*	22 7 55 23	
7 7 42 10	24 2 23 37	AUGUST.
9 2 10 33	25 20 51 51	Emerfions.
10 20 38 55	27 15 20 8*	
12 15 7 15*	29 9 48 27	2 3 9 47
14 9 35 34		3 21 38 50
16 4 3 50	JULY.	5 16 7 53*
17 22 32 5	Immerfions.	7 10 36 57
19 17 0 21	1 4 16 45	9 5 6 1
21 11 28 34	2 22 45 9	10 23 35 11
23 5 56 46	4 17 13 32	12 18 4 22
25 0 24 56	6 11 41 57*	14 12 33 33*
26 18 53 8	8 6 10 28	16 7 2 48
28 13 21 21*	10 0 38 53	18 1 32 2
30 7 49 25	11 19 7 24	19 20 1 19
	13 13 35 55*	21 14 30 36*
	15 8 4 32*	23 8 59 55
JUNE.	17 2 33 14	25 3 29 14
Immerfions.	18 21 1 57	26 21 58 36
1 2 17 34	20 15 30 40*	28 16 27 57*
2 20 45 43		30 10 57 21*

## ECLIPSES of the first Satellite of JUPITER.

D. H. M. S.	D. H. M. S.	D. H. M. S.
SEPTEMBER.	8 9 42 58*	21 15 38 55
Emerfions.	10 4 12 5	23 10 7 3
1 5 26 46	11 22 41 10	25 4 35 7
2 23 56 10	13 17 10 15	26 23 3 11
4 18 25 34	15 11 39 15*	28 17 31 13
6 12 55 0*	17 6 8 12	30 11 59 16
8 7 24 27	19 0 37 8	DECEMBER.
10 1 53 53	20 19 6 0	Emerfions.
11 20 23 18	22 13 34 52	2 6 27 16*
13 14 52 44	24 8 3 40*	4 0 55 12
15 9 22 9*	26 2 32 28	5 19 23 8
17 3 51 33	27 21 1 8	7 13 51 3
18 22 20 55	29 15 29 47	9 8 18 57*
20 16 50 19	31 9 58 26*	11 2 46 51
22 11 19 40*	NOVEMBER.	12 21 14 46
24 5 49 1	Emerfions.	14 15 42 41
26 0 18 20	2 4 27 5	16 10 10 36
27 18 47 39	3 22 55 38	18 4 38 32*
29 13 16 55*	5 17 24 8	19 23 6 27
OCTOBER.	7 11 52 36	21 17 34 25
Emerfions.	9 6 21 3	23 12 2 23
1 7 46 10*	11 0 49 26	25 6 30 22*
3 2 15 24	12 19 17 48	27 0 58 23
4 20 44 43	14 13 46 6	28 19 26 24
6 15 13 48	16 8 14 21*	30 13 54 29
	18 2 42 35	
	19 21 10 46	

ECLIPSES of the *second Satellite of JUPITER.*

D. H. M. S.	D. H. M. S.	D. H. M. S.
JANUARY.	18 10 25 57	JUNE.
Immerfions.	21 23 44 46	Immerfions.
	25 13 3 30	I I 43 9
	29 2 22 12	4 15 0 15*
Jupiter and the Sun in Conjunction.	APRIL.	8 4 17 18
	Immerfions.	11 17 34 18
25 2 49 26	I 15 40 52*	15 6 52 25
28 16 7 8	5 4 59 28	18 20 3 35
	8 18 17 59	22 9 25 45*
FEBRUARY.	12 7 36 25	25 22 43 I
Immerfions.	15 20 54 45	29 12 0 25*
I 5 24 59	19 10 12 54	
4 18 42 55*	22 23 30 58	JULY.
8 8 I 2	26 12 48 59	Immerfions.
11 21 19 16	30 2 6 49	3 I 17 56
15 10 37 39	MAY.	6 14 35 33*
18 23 56 5	Immerfions.	10 3 53 20
22 13 14 35	3 15 24 37*	13 17 11 10
26 2 33 14	7 4 42 14	17 6 29 19
29 15 51 55	10 17 59 47	20 19 47 35
MARCH.	14 7 17 12	Emerfions.
Immerfions.	17 20 34 32	24 11 59 54*
4 5 10 40	21 9 51 47	28 I 18 29
7 18 39 29	24 23 8 58	31 14 37 9*
11 7 48 18	28 12 26 4*	
14 21 7 9		

AUGUST.

## ECLIPSES of the second Satellite of JUPITER.

D. H. M. S.	D. H. M. S.	D. H. M. S.	
AUGUST.			
Emerfions.			
4 3 56 0	19 9 8 51*	8 3 32 1	
7 17 14 59	22 22 28 25	11 16 49 37	
11 6 34 5	26 11 47 54*	15 6 7 1*	
14 19 53 13	30 1 7 18	18 19 24 7	
18 9 12 32*	OCTOBER.		
21 22 31 54	Emerfions.		
25 11 51 23*	3 14 26 42	22 8 41 22*	
29 1 10 54	7 3 45 54	25 21 58 22	
SEPTEMBER.			
Emerfions.			
1 14 30 31	10 17 5 1	29 11 15 16	
5 3 50 11	14 6 24 0*	DECEMBER.	
8 17 9 55	17 19 42 48	Emerfions.	
12 6 29 36	21 9 1 24*	3 0 32 6	6 13 48 47
15 19 49 15	24 22 19 55	10 3 5 27	13 16 22 6
NOVEMBER.			
Emerfions.			
1 0 56 19	28 11 30 10	17 5 38 47*	20 18 55 30
4 14 14 17	24 8 12 15		
	27 21 29 6		
	31 10 45 59		

## ECLIPSES of the third Satellite of JUPITER.

D.	H.	M.	S.	D.	H.	M.	S.	M.	H.	D.	S.
JANUARY.				19	17	45	8	16	1	49	53
Immersions.				26	21	46	43	23	5	48	41
Jupiter and the Sun in Conjunction.				APRIL.				30	9	47	12
FEBRUARY.				Immersions.				JUNE.			
Immersions.				2	22	13	45	Immersions.			
29	10	3	18	10	2	14	52	6	10	9	44
Immersions.				17	6	15	35	13	14	8	1*
5	14	3	8	24	10	15	48	20	13	6	34
12	18	3	34*	Emersions.				27	22	5	14
19	22	4	26	3	1	48	23	Emersions.			
27	2	5	49	10	5	49	44	6	13	45	36*
Emersions.				17	9	50	39	13	17	43	57
27	5	39	38	24	13	51	2*	JULY.			
MARCH.				MAY.				Immersions.			
Immersions.				Immersions.				5	2	4	35
5	6	7	15	1	14	15	46*	12	6	4	27
12	10	8	56	8	18	15	16	19	10	5	4*
19	14	10	48	15	22	14	19	Emersions.			
26	18	12	19	23	2	13	1	Jupiter and the Sun in Opposition.			
Emersions.				30	6	11	26	26	17	42	1
5	9	40	57	Emersions.				AUGUST.			
12	13	42	52	1	17	51	8				
				8	21	50	44				

## ECLIPSES of the third Satellite of JUPITER.

D. H. M. S.	D. H. M. S.	D. H. M. S.
AUGUST.	22 2 6 7	
Immersions.	29 6 9 24*	Emerfions.
Jupiter and the Sun in Conjunction.	OCTOBER.	4 2 18 4
Emerfions.	Immersions.	11 6 17 48*
2 21 43 42	6 6 37 47*	18 10 16 51
10 1 45 56	13 10 40 28*	25 14 15 17
17 5 48 40	20 14 42 27	DECEMBER.
24 9 51 44*	27 18 43 46	Immersions.
31 13 55 7*	Emerfions.	2 14 41 6
SEPTEMBER.	6 10 12 15*	9 18 39 6
Immersions.	13 14 14 42	16 22 36 58
7 14 23 34	20 18 16 27	Emerfions.
14 18 27 26	27 22 17 32	2 18 13 16
21 22 31 9	NOVEMBER.	9 22 10 54
29 2 34 34	Immersions.	17 2 8 28
Emerfions.	3 22 44 32	24 6 6 11*
7 17 58 48	11 2 44 32	31 10 4 10
14 22 2 32	18 6 43 53*	
	25 10 42 39	



## ECLIPSES of the fourth Satellite of JUPITER.

D. H. M. S.					D. H. M. S.			
				JANUARY.				
Immerfions.					Emerfions.			
28	9	32	6		28	14	17	8
				FEBRUARY.				
14	3	44	49		14	8	22	11
				MARCH.				
1	21	57	2		2	2	34	58
18	16	9	29*		18	20	49	29
				APRIL.				
4	10	21	9		4	15	2	53*
21	4	31	22		21	9	14	32
				MAY.				
7	22	40	8		8	3	24	44
24	16	47	16		24	21	32	30
				JUNE.				
10	10	52	23*		10	15	33	1*
27	4	58	33		27	9	44	29*
				JULY.				
13	23	7	44		4	⊙	8	
4	⊙	8			30	22	6	51
				AUGUST.				
16	11	36	52*		16	16	21	38
				SEPTEMBER.				
2	5	54	56		2	10	39	2*
19	0	15	10		19	4	57	44
				OCTOBER.				
5	18	35	0		5	23	16	0
22	12	51	24		22	17	30	28
				NOVEMBER.				
8	7	4	46*		8	11	41	38
25	1	15	2		25	5	49	18*
				DECEMBER.				
11	19	22	37		11	23	54	5
28	13	30	42		28	17	58	58